BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER
YELAHANKA DIVISION

MASUREMENT SHEETS

1st and Final Bill

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Job Code No: 004-23-000015

Name of Agency: Sri.Shivakumar B V

PRE-MESUREMENT SHEETS

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	1							

Item Name: Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. In all kinds of soils Depth upto 1.5 m

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			23/02/2023				
Doddabettahalli Urdu School							
Stair Case Footing		1	1.50	1.50	1.80	4.05	
For Column Footing		1	1.50	1.50	1.80	4.05	
	Sump	1	3.20	3.20	2.10	21.50	
	Total Quantity					29.60	Cum
	Quantity Carried to Summary					29.60	Cum

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst Engineer
Ward No.04
BBMP

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	2							
Item Name:	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24/02/2023				
Doddabettahalli Urdu School							
Stair Case Footing		1	1.50	1.50	0.30	0.68	
For Column Footing		1	1.50	1.50	0.30	0.68	
	Sump	1	3.20	3.20	0.30	3.07	
	Total Quantity					**4.42**	**Cum**
	Quantity Carried to Summary					**4.42**	**Cum**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	3							

Item Name: Providing and laying in position plain cement concrete for levelling course for all works in foundation. The ranite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel einforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 40 mm nominal size graded crushed coarse aggregates

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			27/02/2023				
Doddabettahalli Urdu School							
Stair Case Footing		1	1.50	1.50	0.15	0.34	
For Column Footing		1	1.50	1.50	0.15	0.34	
	Sump	1	3.20	3.20	0.15	1.54	
For Flooring							
	Room 1	1	6.00	5.50	0.15	4.95	
	Room 2	1	7.50	5.50	0.15	6.19	
	Room 3	1	6.00	5.50	0.15	4.95	
	Toilet-1	1	1.50	3.50	0.15	0.79	
	WC	2	1.20	1.20	0.15	0.43	
	Passage	1	1.20	0.80	0.15	0.14	
	Toilet-2	1	2.20	3.50	0.15	1.16	
	WC	2	1.20	1.20	0.15	0.43	
	Passage	1	1.20	0.80	0.15	0.14	
Outside Flooring		1	7.50	1.70	0.15	1.91	
	Ramp	1	3.95	1.60	0.15	0.95	
		1	1.60	1.20	0.15	0.29	

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SI NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Steps for Toilet Doors								
	Toilet-1		1	0.90	1.05	0.15	0.14	
	Toilet-2		1	0.90	1.05	0.15	0.14	
	Total Quantity						24.83	Cum
	Quantity Carried to Summary						24.83	Cum

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Sterlite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	4						

Item Name: Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/03/2023, 16/03/2023				
Doddabettahalli Urdu School							
	Stair Case Footing	1	1.50	1.50	0.75	1.69	
	For Column Footing	1	1.50	1.50	0.45	1.01	
	Sump						
	Bottom Raft	1	2.90	2.90	0.20	1.68	
	Side Walls	2	2.70	0.20	2.00	2.16	
		2	2.70	0.20	2.00	2.16	
	Top Slab	1	2.90	2.90	0.20	1.68	
	Deduction for Open	-1	0.60	0.60	0.20	-0.07	
	Total Quantity					10.31	Cum
	Quantity Carried to Summary					10.31	Cum

Asst Engineer
Ward No.04
BBMP

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
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Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	7											
Item Name:	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately)											

Chainage		Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars (((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
From	To											
1	2	3	4	5	6	7	8	9	10	11	12	13
		Tonne										
Premeasurement recorded on:		27/02/2023										
Doddabettahalli Urdu School												
Stair Case Footing												
			2	12.00	1.50	2.10	0.125	25.00	52.50	0.89	46.73	
			2	12.00	1.50	2.10	0.125	25.00	52.50	0.89	46.73	
For Column Footing			2	12.00	1.50	2.10	0.125	25.00	52.50	0.89	46.73	
			2	12.00	1.50	2.10	0.125	25.00	52.50	0.89	46.73	
Sump												
Bottom Raft			2	12.00	2.90	3.00	0.125	47.00	141.00	0.89	125.49	
			2	12.00	2.90	3.00	0.125	47.00	141.00	0.89	125.49	
Side Walls			4	12.00	2.70	2.45	0.100	109.00	267.05	0.89	237.67	
			4	10.00	2.00	2.70	0.100	81.00	218.70	0.62	135.59	
Side Walls			4	12.00	2.70	2.45	0.150	73.00	178.85	0.89	159.18	
			4	10.00	2.00	2.70	0.150	54.00	145.80	0.62	90.40	
Top Slab			2	10.00	2.90	3.00	0.125	47.00	141.00	0.62	87.42	
			2	10.00	2.90	3.00	0.125	47.00	141.00	0.62	87.42	
Columns												

Chainage From	Chainage To	Unit	No	Dia in mm	Span	Length of bar	Spacing (m)	Total No.of bars (((6/8)x4) +1	Total Length of bar (m) (7 x 9)	Weight per m	Qty in Kgs (10 x 11)	Remarks
2Nos			2	12.00	3.65	4.10		8.00	32.80	0.89	29.19	
			2	8.00	3.65	0.96	0.150	50.00	48.00	0.39	18.72	
Stair Case												
Waist Slab-1			1	12.00	4.10	1.40	0.100	42.00	58.80	0.89	52.33	
			1	12.00	1.40	4.10	0.100	15.00	61.50	0.89	54.74	
Waist Slab-2			1	12.00	2.75	1.40	0.100	29.00	40.60	0.89	36.13	
			1	12.00	1.40	2.75	0.100	15.00	41.25	0.89	36.71	
Landing			1	12.00	1.30	1.40	0.100	14.00	19.60	0.89	17.44	
			1	12.00	1.40	1.30	0.100	15.00	19.50	0.89	17.36	
Steps			21	8.00	1.40	0.35	0.100	295.00	103.25	0.39	40.27	
			21	12.00	0.35	1.40	0.100	75.00	105.00	0.39	40.95	
		Total Qty in Kgs									1579.40	
		Quantity Carried to Summary									1579.40	

Asst Engineer
Ward No.04
BBMP

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	8							
Item Name:	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			20/03/2023				
Doddabettahalli Urdu School							
Earthwork Excavation Qty						29.60	
Deduction for Broken Metal						-4.42	
Deduction for PCC						-2.21	
Footing Concrete						-8.25	
	Total Quantity					**14.72**	**Cum**
	Quantity Carried to Summary					**14.72**	**Cum**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	9							
Item Name:	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 14 m3)							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**		**QTY**	**REMARKS**
Pre-Measurement Recorded On:			24/03/2023					
Doddabettahalli Urdu School								
Earthwork Excavation Qty							29.60	
Deduct Refilling Qty							-14.72	
	Total Quantity						**14.89**	**Cum**
	Quantity Carried to Summary						**14.89**	**Cum**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	10							
Item Name:	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**	
Pre-Measurement Recorded On:			24/03/2023					
Doddabettahalli Urdu School								
Loading & Unloading qty form item no.09				14.89	1.28	19.05		
	Total Quantity					**19.05**	**t.km**	
	Quantity Carried to Summary					**19.05**	**t.km**	

Asst Engineer
Ward No.04
BBMP

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
B.B.M.P.

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	17							
Item Name:	Providing and fixing chlorinated poly vinly chloride (CPVC) pipes, having thermal stability for hot and cold water supply, includeing all CPVC plain and brass threaded fittings, incliding fixing the pipe with the clamp at 1.000 mtr spacing. This includes joining of pipes and fittings with one step CPVC solvent cement and testing of joints complete as per directions of engineer in charge. (Internal Works) (Concealed work, including cutting chases and making good the walls etc,) 20mm dia pipe nomina							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				05/06/2023				
Doddabettahalli Urdu School								
			1	25.00			25.00	
			1	30.00			30.00	
			1	15.00			15.00	
			1	20.00			20.00	
			1	10.00			10.00	
	Total Quantity						**100.00**	**mtr**
	Quantity Carried to Summary						**100.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

e of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

of Agency: Sri.Shivakumar B V

No.	24							

Item Name:	Providing and fixing on wall face unplasticised rigid PVC Rain Water Pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10mm gap for thermal expansion, (i) single socketed pipes 100mm diameter.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			05/06/2023				
Doddabettahalli Urdu School							
For Rain Water		5	3.00			15.00	
		1	18.00			18.00	
For Sanitary Line		1	12.00			12.00	
		1	5.00			5.00	
	Total Quantity					**50.00**	**mtr**
	Quantity Carried to Summary					**50.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	24							

Item Name: Providing and fixing on wall face unplasticised rigid PVC Rain Water Pipes conforming to IS: 13592 Type A, including jointing with seal ring conforming to IS: 5382, leaving 10mm gap for thermal expansion, (i) single socketed pipes 100mm diameter.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			05/06/2023				
Doddabettahalli Urdu School							
For Rain Water		5	3.00			15.00	
		1	18.00			18.00	
For Sanitary Line		1	12.00			12.00	
		1	5.00			5.00	
	Total Quantity					**50.00**	**mtr**
	Quantity Carried to Summary					**50.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	26							

Item Name: Open Conduit System Supplying heavy gauge PVC conduit pipe ..... dia ..... mm thick confirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc , and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. 1.1.1 19/20 mm dia 2 mm thick

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			22/05/2023				
Doddabettahalli Urdu School							
			1	70.00			70.00	
	Total Quantity					**70.00**	**mtr**
	Quantity Carried to Summary					**70.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

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ıme of Agency: Sri.Shivakumar B V

tem No.	27							
Item Name:	Supplying and flush mounting teak wooden box without front plank, made of not less than 12 mm thick wood, after due groove cutting, finishing with necessary cement plastering complete. 8" x 6" x 3" (203 x 152 x 76 mm)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			22/05/2023				
Doddabettahalli Urdu School							
			6			6.00	
	Total Quantity					6.00	Each
	Quantity Carried to Summary					6.00	Each

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

me of Agency: Sri.Shivakumar B V

em No.	28							

Item Name: Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6A flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Short point upto 3m from tapping point to out let via switch

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			22/05/2023				
Doddabettahalli Urdu School							
		2				2.00	
	Total Quantity					**2.00**	**Each**
	Quantity Carried to Summary					**2.00**	**Each**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	29							
Item Name:	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6A flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Medium point above 3m upto 6m from tapping point to out let via switch							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			22/05/2023				
Doddabettahalli Urdu School							
		2				2.00	
	Total Quantity					**2.00**	**Each**
	Quantity Carried to Summary					**2.00**	**Each**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

ıme of Agency: Sri.Shivakumar B V

tem No.	30							

Item Name:	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6A flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. Long point above 6m upto 10m from tapping point to out let via switch

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			22/05/2023				
Doddabettahalli Urdu School							
			5			5.00	
	Total Quantity					**5.00**	**Each**
	Quantity Carried to Summary					**5.00**	**Each**

Asst Engineer
Ward No.04
BBMP

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Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

lame of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

ıme of Agency: Sri.Shivakumar B V

tem No.	32							
Item Name:	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 1.5 mm2							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24/05/2023				
Doddabettahalli Urdu School							
			1	90.00		90.00	
	Total Quantity					**90.00**	**mtr**
	Quantity Carried to Summary					**90.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

e of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

e of Agency: Sri.Shivakumar B V

ı No.	33							

Item Name: Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 2.5 mm2

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24/05/2022				
Doddabettahalli Urdu School							
			1	60.00		60.00	
	Total Quantity					**60.00**	**mtr**
	Quantity Carried to Summary					**60.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	34							
Item Name:	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments. 4 mm2							
SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS	
Pre-Measurement Recorded On:			24/05/2023					
Doddabettahalli Urdu School								
			1	160.00			160.00	
	Total Quantity						160.00	mtr
	Quantity Carried to Summary						160.00	mtr

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	35							
Item Name:	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches, regulators etc, and fixing on existing wooden or metal box using N.F. screws.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24/05/2023				
Doddabettahalli Urdu School							
			1	2000.00		2000.00	
	Total Quantity					2000.00	Sqcm
	Quantity Carried to Summary					2000.00	Sqcm

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

me of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

ne of Agency: Sri.Shivakumar B V

m No.	39							
Item Name:	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws. 20" x 20" x 2.5"							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24/05/2023				
Doddabettahalli Urdu School							
			5			5.00	
	Total Quantity					5.00	**Sqcm**
	Quantity Carried to Summary					5.00	**Sqcm**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	40							
Item Name:	Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 32 A							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24/05/2023				
Doddabettahalli Urdu School							
			8			8.00	
	Total Quantity					8.00	Each
	Quantity Carried to Summary					8.00	Each

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	41							
Item Name:	Supplying of on load change over switches 4 poles, AC-23A Duty, 415V, 50Hz, AC Supply. (Open Execution) upto 63 A							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24/05/2023				
Doddabettahalli Urdu School							
			1			1.00	
	Total Quantity					**1.00**	**Each**
	Quantity Carried to Summary					**1.00**	**Each**

Asst Engineer
Ward No.04
BBMP

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Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	45							
Item Name:	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24/05/2023				
Doddabettahalli Urdu School							
			2			2.00	
	Total Quantity					2.00	**Nos**
	Quantity Carried to Summary					2.00	**Nos**

Asst-Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	46							
Item Name:	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. 25x3mm GI strip							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			24/05/2023				
Doddabettahalli Urdu School							
			1	40.00		40.00	
	Total Quantity					**40.00**	**mtr**
	Quantity Carried to Summary					**40.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst Executive Engineer
Yelahanka Satellite Town Sub Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	47							
Item Name:	Supplying of LT UG Cable having aluminium conducor PVC insulated , sheathed, galvanished, steel wire/steel tap armoured cable with PVC outer sheating 1.1 KV class I, class 'A' PVC cable d) 4 core 16 sqmm							

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				25/05/2023				
Doddabettahalli Urdu School								
			1	30.00			30.00	
			1	20.00			20.00	
	Total Quantity						**50.00**	**mtr**
	Quantity Carried to Summary						**50.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst Executive Engineer
Yelahanka Satellite Town Sub Division
B.B.M.P. Yelahanka-106

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	48							
Item Name:	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. 16Sqmm							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			25/05/2023				
Doddabettahalli Urdu School							
		1	30.00			30.00	
		1	20.00			20.00	
	Total Quantity					**50.00**	**mtr**
	Quantity Carried to Summary					**50.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
B.B.M.P.

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	49							
Item Name:	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**	**QTY**	**REMARKS**
Pre-Measurement Recorded On:			25/05/2023				
Doddabettahalli Urdu School							
			1	30.00			30.00	
	Total Quantity						**30.00**	**mtr**
	Quantity Carried to Summary						**30.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	50							
Item Name:	Supplying and fixing of class A (medium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV. 40mm							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			25/05/2023				
Doddabettahalli Urdu School							
			1	2.00		2.00	
	Total Quantity					**2.00**	**mtr**
	Quantity Carried to Summary					**2.00**	**mtr**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	51							

Item Name:	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc. 16sqmm

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			25/05/2023				
Doddabettahalli Urdu School							
			1			1.00	
	Total Quantity					**1.00**	**Each**
	Quantity Carried to Summary					**1.00**	**Each**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	52							
Item Name:	Providing BESCOM deposits excluding ESCOM 3 phase ebergy meter (as per intimation letter from ESCOMS) for 10hp 3phase power supply under L T-5 traffic							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			28/05/2023				
Doddabettahalli Urdu School							
			1			1.00	
	Total Quantity					**1.00**	**LS**
	Quantity Carried to Summary					**1.00**	**LS**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-6							
Item Name:	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge. (KPWD 2022-23, V-II Page No.50, Item No.8.51)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			30/05/2023				
Doddabettahalli Urdu School							
Outside Wall							
	Front	1	7.95		3.55	28.22	
		1	5.65		3.55	20.06	
	Sides	1	5.80		3.85	22.33	
		1	2.50		3.85	9.63	
	Back Side	1	13.95		3.85	53.71	
		1	11.45		3.85	44.08	
Toilet Outside		1	6.60		3.55	23.43	
		1	3.80		3.85	14.63	
Stair Case Sides		1	6.60		3.85	25.41	
	Columns	1	4.10		0.15	0.62	
Landing Bottom		2	1.16		2.25	5.22	
Deductions		1	1.30		1.40	1.82	
	Door, D	-3	1.15		2.05	-7.07	
	Door, D1	-2	0.85		2.00	-3.40	
Windows, W		-11	1.50		1.15	-18.98	
Ventilator, V		-2	2.20		0.45	-1.98	
Inside Wall							
	Room-1	2	6.00		3.20	38.40	
		2	5.50		3.20	35.20	
	Room-2	2	7.50		3.20	48.00	
		2	5.50		3.20	35.20	
	Room-3	2	5.50		3.20	35.20	

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NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			2	6.00		3.20	38.40	
	Toilet-1		2	1.50		1.70	5.10	
			2	3.50		3.20	22.40	
	Passage		2	1.20		3.20	7.68	
			1	0.80		3.20	2.56	
	WC		1	1.20		1.60	1.92	
			1	2.70		1.60	4.32	
			7	1.20		0.45	3.78	
	Toilet-2		2	2.20		1.70	7.48	
			2	3.50		3.20	22.40	
	Passage		2	1.20		3.20	7.68	
			1	0.80		3.20	2.56	
	WC		1	1.20		1.60	1.92	
			1	2.70		1.60	4.32	
			7	1.20		0.45	3.78	
Deductions								
	Door, D		-3	1.15		2.05	-7.07	
	Door, D1		-2	0.85		2.00	-3.40	
Windows, W			-11	1.50		1.15	-18.98	
Ventilator, V			-2	2.20		0.45	-1.98	
WC Doors, 4Nos			-8	0.75		2.05	-12.30	
	Total Quantity						**502.30**	**Sqm**
	Quantity Carried to Summary						**502.30**	**Sqm**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka New Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-7							
Item Name:	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With ready mixed pink or grey primer on wood work (hard and soft wood) having VOC content less than 50 grams/ litre as per specifications and as per directions of Engineer in charge. (KPWD 2022-23, V-II Page No.51, Item No.8.55.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			05/06/2023				
Doddabettahalli Urdu School							
Outside Wall							
	Front	1	7.95		3.55	28.22	
		1	5.65		3.55	20.06	
	Sides	1	5.80		3.85	22.33	
		1	2.50		3.85	9.63	
	Back Side	1	13.95		3.85	53.71	
		1	11.45		3.85	44.08	
Toilet Outside		1	6.60		3.55	23.43	
		1	3.80		3.85	14.63	
		1	6.60		3.85	25.41	
Stair Case Sides		1	4.10		0.15	0.62	
	Columns	2	1.16		2.25	5.22	
Landing Bottom		1	1.30		1.40		
Deductions							
	Door, D	-3	1.15		2.05	-7.07	
	Door, D1	-2	0.85		2.00	-3.40	
Windows, W		-11	1.50		1.15	-18.98	
Ventilator, V		-2	2.20		0.45	-1.98	
Inside Wall							
	Room-1	2	6.00		3.20	38.40	
		2	5.50		3.20	35.20	

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NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
	Room-2		2	7.50		3.20	48.00	
			2	5.50		3.20	35.20	
	Room-3		2	5.50		3.20	35.20	
			2	6.00		3.20	38.40	
	Toilet-1		2	1.50		1.70	5.10	
			2	3.50		3.20	22.40	
	Passage		2	1.20		3.20	7.68	
			1	0.80		3.20	2.56	
	WC		1	1.20		1.60	1.92	
			1	2.70		1.60	4.32	
			7	1.20		0.45	3.78	
	Toilet-2		2	2.20		1.70	7.48	
			2	3.50		3.20	22.40	
	Passage		2	1.20		3.20	7.68	
			1	0.80		3.20	2.56	
	WC		1	1.20		1.60	1.92	
			1	2.70		1.60	4.32	
			7	1.20		0.45	3.78	
Deductions								
	Door, D		-3	1.15		2.05	-7.07	
	Door, D1		-2	0.85		2.00	-3.40	
Windows, W			-11	1.50		1.15	-18.98	
Ventilator, V			-2	2.20		0.45	-1.98	
WC Doors, 4Nos			-8	0.75		2.05	-12.30	
Total Quantity							**502.30**	**Sqm**
Quantity Carried to Summary							**502.30**	**Sqm**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Sterne Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-10							
Item Name:	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. (KWPD 2021-22, V-II, Item No.6.33, Page No.17)							
SL NO	**CHAINAGE**	**NO**	**L (m)**	**Avg B (m)**	**Avg D (m)**		**QTY**	**REMARKS**
Pre-Measurement Recorded On:			29/05/2023					
Doddabettahalli Urdu School								
Steps for Toilet Doors								
	Toilet-1	Step-1	1	0.90		0.20	0.18	
		Step-2	1	0.90		0.40	0.36	
		Step-3	1	0.90		0.60	0.54	
	Toilet-2	Step-1	1	0.90		0.20	0.18	
		Step-2	1	0.90		0.40	0.36	
		Step-3	1	0.90		0.60	0.54	
	Total Quantity						**2.16**	**Sqm**
	Quantity Carried to Summary						**2.16**	**Sqm**

Asst Engineer
Ward No.04
BBMP

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ
ಜಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-11							
Item Name:	Providing 12 mm cement plaster with cement mortar 1:4 (1 cement: 4 fine sand) to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.. (KWPD 2021-22, V-II, Item No.8.1.1, Page No.41)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			05/06/2023				
Doddabettahalli Urdu School							
Steps for Toilet Doors							
	Toilet-1		2	0.90		0.20	0.36
			2	0.90		0.40	0.72
			2	0.90		0.60	1.08
			3	0.90		0.15	0.41
	Toilet-2		2	0.90		0.20	0.36
			2	0.90		0.40	0.72
			2	0.90		0.60	1.08
			3	0.90		0.15	0.41
Front Platform			1	6.00		0.45	2.70
			1	5.50		0.45	2.48
			1	1.70		0.45	0.77
			1	1.60		0.45	0.72
	Total Quantity					**11.79**	**Sqm**
	Quantity Carried to Summary					**11.79**	**Sqm**

Asst Engineer
Ward No.04
BBMP

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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MESUREMENT SHEETS

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	5							

Item Name: Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			27/03/2023				
Doddabettahalli Urdu School							
	Columns for Stair Case						
	Upto Ground Level	2	0.33	0.25	1.40	0.23	
	Above Ground Level	2	0.33	0.25	2.25	0.37	
	Outside Flooring	1	7.50	1.70	0.15	1.91	
		1	3.95	1.60	0.15	0.95	
	Ramp	1	1.60	1.20	0.15	0.29	
	Total Quantity					3.75	Cum
	Quantity Carried to Summary					3.75	Cum

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

ame of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

ıe of Agency: Sri.Shivakumar B V

n No.	6							

Item Name: Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates (For Stair Case)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			27/03/2023				
Doddabettahalli Urdu School							
	Stair Case						
	Waist Slab-1	1	4.10	1.40	0.15	0.86	
	Waist Slab-2	1	2.75	1.40	0.15	0.58	
	Landing	1	1.30	1.40	0.15	0.27	
	Steps	21	1.40	0.023		0.68	
	Total Quantity					**2.39**	**Cum**
	Quantity Carried to Summary					**2.39**	**Cum**

Asst Engineer
Ward No.04
BBMP

Asst Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	11							

Item Name: Finishing walls with Acrylic Smooth exterior paint of required shade :New work (Two coat applied @ 1.67 ltr/10 m² over and including priming coat of exterior primer applied @ 2.20 kg/10 m²) with paint of approved quality to give an even shade, after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
Outside Painting		1	7.95		3.55	28.22	
	Front	1	5.65		3.55	20.06	
		1	5.80		3.85	22.33	
	Sides	1	2.50		3.85	9.63	
		1	13.95		3.85	53.71	
	Back Side	1	11.45		3.85	44.08	
		1	6.60		3.55	23.43	
Toilet Outside		1	3.80		3.85	14.63	
		1	6.60		3.85	25.41	
Stair Case Sides		1	4.10		0.15	0.62	
	Columns	2	1.16		2.25	5.22	
Landing Bottom		1	1.30		1.40	1.82	
Deductions							
	Door, D	-3	1.15		2.05	-7.07	
	Door, D1	-2	0.85		2.00	-3.40	

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NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Windows, W		-11	1.50		1.15	-18.98	
Ventilator, V		-2	2.20		0.45	-1.98	
	Total Quantity					217.72	Sqm
	Quantity Carried to Summary					217.72	Sqm

Asst Engineer
Ward No.04
BBMP

Executive Engineer
Yelahanka Stelliteon Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	12							

Item Name:	Finishing with Epoxy paint (two coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete. On concrete work including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
Inside Painting							
	Room-1	2	6.00		3.20	38.40	
		2	5.50		3.20	35.20	
	Room-2	2	7.50		3.20	48.00	
		2	5.50		3.20	35.20	
	Room-3	2	5.50		3.20	35.20	
		2	6.00		3.20	38.40	
	Toilet-1	2	1.50		1.70	5.10	
		2	3.50		3.20	22.40	
	Passage	2	1.20		3.20	7.68	
		1	0.80		3.20	2.56	
	WC	1	1.20		1.60	1.92	
		1	2.70		1.60	4.32	
		7	1.20		0.45	3.78	
	Toilet-2	2	2.20		1.70	7.48	
		2	3.50		3.20	22.40	
	Passage	2	1.20		3.20	7.68	
		1	0.80		3.20	2.56	
	WC	1	1.20		1.60	1.92	
		1	2.70		1.60	4.32	
		7	1.20		0.45	3.78	

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NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Deductions							
	Door, D	-3	1.15		2.05	-7.07	
	Door, D1	-2	0.85		2.00	-3.40	
Windows, W		-11	1.50		1.15	-18.98	
Ventilator, V		-2	2.20		0.45	-1.98	
WC Doors, 4Nos		-8	0.75		2.05	-12.30	
	Ceiling						
	Room-1	1	6.00	5.50		33.00	
	Room-2	1	7.50	5.50		41.25	
	Room-3	1	6.00	5.50		33.00	
	Toilet-1	1	2.80	3.50		9.80	
	Toilet-2	1	3.50	3.50		12.25	
Outside Projected Slab		1	7.50	1.70		12.75	
		1	3.95	1.60		6.32	
		1	5.32	0.60		3.19	
	Total Quantity					**436.13**	**Sqm**
	Quantity Carried to Summary					**436.13**	**Sqm**

Asst Engineer
Ward No.04
BBMP

Executive Engineer
Yelahanka Stelite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	13							

Item Name: Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
	For Sump						
	Bottom Raft	1	2.50	2.50		6.25	
	Side Walls	4	2.50		2.00	20.00	
	For Terrace	1	7.95	7.50		59.63	
		1	7.90	5.80		45.82	
		1	6.40	4.40		28.16	
	For Toilet Flooring						
	Toilet-1	1	1.50	3.50		5.25	
	WC	2	1.20	1.20		2.88	
	Passage	1	1.20	0.80		0.96	
	Toilet-2	1	2.20	3.50		7.70	
	WC	2	1.20	1.20		2.88	
	Passage	1	1.20	0.80		0.96	
	For Wall						
	Toilet-1	2	1.50		1.00	3.00	

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NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
			1	3.50		1.00	3.50	
	Passage		2	1.20		1.00	2.40	
	WC		8	1.20		1.00	9.60	
			1	2.70		1.00	2.70	
	Toilet-2		2	2.20		1.00	4.40	
			1	3.50		1.00	3.50	
	Passage		2	1.20		1.00	2.40	
	WC		8	1.20		1.00	9.60	
			1	2.70		1.00	2.70	
Deduction								
WC Openings			-8	0.75		1.00	-6.00	
	Total Quantity						218.29	Sqm
	Quantity Carried to Summary						218.29	Sqm

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Asst Engineer
Ward No.04
BBMP

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	14							

Item Name: Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.
** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent.

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
	For Flooring						
	Room-1	1	6.00	5.50		33.00	
	Room-2	1	7.50	5.50		41.25	
	Room-3	1	6.00	5.50		33.00	
	Skirting						
	Room-1	2	6.00		0.10	1.20	
		2	5.50		0.10	1.10	
	Room-2	2	7.50		0.10	1.50	
		2	5.50		0.10	1.10	
	Room-3	2	6.00		0.10	1.20	
		2	5.50		0.10	1.10	
	Total Quantity						
	Quantity Carried to Summary					114.45	Sqm
						114.45	Sqm

Asst Engineer
Ward No.04
BBMP

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Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	15							
Item Name:	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS: 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
Water Tank		1	1000.00			1000.00	
	Total Quantity					**1000.00**	**Ltr**
	Quantity Carried to Summary					**1000.00**	**Ltr**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

ame of Agency: Sri.Shivakumar B V

em No.	16							
Item Name:	Supply and delivery of Centrifugal pumpset at site brand new best make and with discharge duty confirming to ISI standards and its latest amendments. 2 HP, Size 50x40 Head 22M, Discharge 186 LPM							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
Pump Motor		1				1.00	
	Total Quantity					1.00	Each
	Quantity Carried to Summary					1.00	Each

Asst Engineer
Ward No.04
BBMP

Executive Engineer
Yelahanka Satellite Town Sub Division
B.B.M.P.

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

ıme of Agency: Sri.Shivakumar B V

em No.	18							
Item Name:	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete : 20 mm nominal bore							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
	Valve		3			3.00	
	Total Quantity					3.00	Nos
	Quantity Carried to Summary					3.00	Nos

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	19							

Item Name: Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mmheight with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
Windows, W		11	1.50		1.15	18.98	
	Total Quantity					18.98	Sqm
	Quantity Carried to Summary					18.98	Sqm

Asst Engineer
Ward No.04
BBMP

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	21							
Item Name:	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
Wash Basins		2				2.00	
	Total Quantity					**2.00**	**Each**
	Quantity Carried to Summary					**2.00**	**Each**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	22							
Item Name:	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
	Bib Cock		10			10.00	
	Total Quantity						
	Quantity Carried to Summary					**10.00**	**Nos**
						10.00	**Nos**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	23							
Item Name:	Providing and fixing brass stop cock of approved quality : 20 mm nominal bore							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
	Stop Cock	6				6.00	
	Total Quantity					**6.00**	**Nos**
	Quantity Carried to Summary					**6.00**	**Nos**

Asst Engineer
Ward No.04
BBMP

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	31							
Item Name:	Supplying 6A flush type socket and 6 A flush type SP switch either surface/flush mounting in existing gang box or in 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wires as required as per IS 1293 and IS 3654 6A 3/5 Way							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
			2			2.00	
	Total Quantity						
	Quantity Carried to Summary					**2.00**	**Each**
						2.00	**Each**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	36							

Item Name: Supplying & fixing retrofit type-PL- LED Lamp ..... W LED linear source with CCT 6500 degree K, CRI> 70%. efficacy >80 lumen per W, life> 25000 burning hours and Compliance to IS 10322/IEC 60598, LM 79 & LM 80. The LED are driven by HF electronic driver integrated in the system, with PF > 0.95, power loss should < 5% of lamp Wage., short circuit & open circuit protection to be integrated in the circuit, THD less than 20%, Life as per LM 79. The operating input voltage should be between 130 to275 V. Tested by NABL/CPRI accredited laboratory with 2 years Warranty against any manufacturing defect working under standard electrical condition. 18-20 W

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
			6			6.00	
	Total Quantity					6.00	Each
	Quantity Carried to Summary					6.00	Each

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	38							
Item Name:	Supplying and fixing of T5 Fluorescent Tube with 14W power consumption with low 3mg Mercury content & below 40% glass content than TS lamp & 20% less phosphor coating than T8 with initial lumen on 1350 (for 3000-6500 deg Kelvin), rated Avg life (12 Hr. Cycle) of greater than 35000 burring hours. Operating voltage range from 180V to 265V, 50Hz AC power Supply 14 W Lamp							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
			6			6.00	
	Total Quantity					6.00	Each
	Quantity Carried to Summary					6.00	Each

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

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BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	42							

Item Name:	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 50-63 A TPN

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
			2			2.00	
	Total Quantity					2.00	**Each**
	Quantity Carried to Summary					2.00	**Each**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

(6a)

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	43							
Item Name:	Supplying & fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 6-32 A TPN							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
			3			3.00	
	Total Quantity					**3.00**	**Each**
	Quantity Carried to Summary					**3.00**	**Each**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	44							
Item Name:	Supplying, fixing and wiring Electronic Trivector Meter (ETV) 5 to 32/63 A three phase 4 wire whole current class-1 Accuracy Energy Meter.							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
			1			1.00	
	Total Quantity					1.00	Each
	Quantity Carried to Summary					1.00	Each

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
B.B.M.P

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-1							
Item Name:	Providing and fixing in position fully panelled Honne wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. (excluding cost of fixtures) (KPWD 2022-23, V-II Page No.100, Item No.12.15)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
Class Room Doors		3	1.00		2.00	6.00	
	Total Quantity					**6.00**	**Sqm**
	Quantity Carried to Summary					**6.00**	**Sqm**

Asst Engineer
Ward No.04
BBMP

Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-2							

Item Name: Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm (KPWD 2022-23, V-II Page No.60, Item No.9.12.2)

SL NO	CHAINAGE		NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:				06/06/2023				
Doddabettahalli Urdu School								
	Toilet Flooring							
	Toilet-1		1	1.50	3.50		5.25	
	Passage		1	1.20	0.80		0.96	
	WC		2	1.20	1.20		2.88	
	Toilet-2		1	1.50	3.50		5.25	
	Passage		1	1.20	0.80		0.96	
	WC		2	1.20	1.20		2.88	
	Total Quantity						**18.18**	**Sqm**
	Quantity Carried to Summary						**18.18**	**Sqm**

Asst Engineer
Ward No.04
BBMP

Assl. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-4							
Item Name:	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc, for operation on 230 V, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system. 56" Sweep (1400 mm) Regular model (ELE 2022-23, Page No.22, Item No.6.3.2)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
Ceiling Fan		6				6.00	
	Total Quantity					**6.00**	**Each**
	Quantity Carried to Summary					**6.00**	**Each**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-5							
Item Name:	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required: White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests (KPWD 2022-23, V-II Page No.123, Item No.14.1.1)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
	Indian Closet	4				4.00	
	Total Quantity					**4.00**	**Each**
	Quantity Carried to Summary					**4.00**	**Each**

Asst Engineer
Ward No.04
BBMP

Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-8							
Item Name:	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame alround door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification. -do- 30 mm thick both side commercial (KPWD 2022-23, V-II Page No.106, Item No.12.57.3)							

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
	Toilet Room Doors	2	0.85		2.00	3.40	
	Total Quantity					**3.40**	**Sqm**
	Quantity Carried to Summary					**3.40**	**Sqm**

Asst Engineer
Ward No.04
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Asst. Executive Engineer
Yelahanka Stellite Town Sub Division
BBMP

BRUHAT BANGALORE MAHANAGARA PALIKE

Executive Engineer, Yelahanka Division

Name of Work: Additional Developmental works to Urdu School in Attur Ward No.04 or Yelahanka Satellite Town Sub Division.

Measurement Sheet

1st & Final Bill

Name of Agency: Sri.Shivakumar B V

Item No.	EIRL-9							

Item Name: Providing & fixing 30mm thick factory made rigid foam Prelam Panelled Door Shutters made from M.S. tube of 19x19mm, 19 gauge for stiles and 15x15mm for top & bottom rails, covered with heat moulded Prelaminated PVC C Channel of 5mm thick sheet & 30x50mm wide to form stiles & 5mm thick & 75mm wide Prelaminated PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick, 20mm wide cross PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet Prelaminated on either side fitted in the M.S. frame, Sealed to the stiles & rails with PVC Designer beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75mm Aluminium hinges. -do- with both side prelam (KPWD 2022-23, V-II Page No.106, Item No.12.55.1)

SL NO	CHAINAGE	NO	L (m)	Avg B (m)	Avg D (m)	QTY	REMARKS
Pre-Measurement Recorded On:			06/06/2023				
Doddabettahalli Urdu School							
WC Doors		4	0.75		2.00	6.00	
	Total Quantity					**6.00**	**Sqm**
	Quantity Carried to Summary					**6.00**	**Sqm**

Asst Engineer
Ward No.04
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Asst Executive Engineer
Yelahanka Satellite Town Sub Division
BBMP